

Mathcamp 2025 Week 3 Schedule

Time	Room	Tuesday	Wednesday	Thursday	Friday	Saturday	
9:30–10:20	JR 101	Assembly (Council Chamber)	Magic of Harmonic Functions 🌀🌀🌀 (Alan Chang & Laithy)				
	JR 102		Calculus Without Limits 🌀 (Glenn)			Slide Rules 🌀 (Glenn)	
	JR 103		[HR] Model Theory 🌀🌀 (Aaron Anderson)				
	JR 132		Oops All Algebra: An Introduction to Infinity Categories 🌀🌀🌀 (Purple)				
	JR 135		Diophantine Approximation and Transcendental Number Theory 🌀🌀 (Sarah Peluse)		Diophantine Approximation and the Putnam 🌀🌀 (Misha)		
10:30–11:20	JR 101	Harmonic Functions	Computing Past Infinity 🌀🌀🌀 (Della)				
	JR 102	Calculus w/o Limits	Cut That Out! 🌀🌀 (Zach)				
	JR 103	Model Theory	Orthogonal Projections 🌀 (Riley W)				
	JR 132	Infinity Categories	Functions of a Complex Variable (Week 2 of 2) 🌀🌀🌀 (Mark)				
	JR 135	Diophantine Approximation	The Hales–Jewett Theorem 🌀🌀🌀🌀 (Misha)				
11:30–12:20	JR 101	Dirichlet’s Class Number Formula 🌀🌀🌀🌀 (Viv Kuperberg)					
	JR 102	QR Factorization 🌀🌀🌀 (Kaia)					
	JR 103	Geometric Group Theory (Week 2 of 2) 🌀🌀 (Arya)					
	JR 132	Representation Theory of Finite Groups (Week 1 of 2) 🌀🌀🌀🌀 (Mark)					
	JR 135	Hat Puzzles 🌀🌀 (Nikita)					
12:20–1:20	Fowler	Lunch				12:20–3:00	Lunch and Academic Advisor Meetings
1:30–2:20	JR 101	Einstein’s Theory of Gravity 1: Special Relativity 🌀🌀 (Laithy)				3:10–4:00	Special Relativity
	JR 102	(80 mins) Problem-Solving: Cheating in Geometry 🌀🌀🌀 → 🌀🌀🌀🌀 (Zack Chroman)					PS: Cheating in Geometry
	JR 103	(80 mins) Reverse Flash: Fractal Geometry 🌀🌀🌀🌀 (Narmada)					Reverse Flash: Fractal Geometry
	JR 132	Infinite Trees (Week 1 of 2) 🌀🌀🌀 (Susan)					Infinite Trees
	JR 135	Continuous But Nowhere Differentiable Functions Are Everywhere 🌀🌀 (Charlotte)					nABCDEF
2:20–4:20	Quad ²	TAU				4:10–5:30	Relays in the Non–angular Quad
4:30–5:20	Council Chamber	Sparsest Cut and Metric Spaces (Alan Chang)	Chebyshev’s bias (Viv Kuperberg)	Tic-tac-toe and Additive Combinatorics (Sarah Peluse)	tbd		
5:30–7:00	Fowler	Dinner					

Key: [HR]—Homework Required